

PAT-NO: JP410033658A

DOCUMENT-IDENTIFIER: JP 10033658 A

TITLE: EXTENTION CATHETER AND ITS  
MANUFACTURE

PUBN-DATE: February 10, 1998

INVENTOR-INFORMATION:

NAME

YAMAGUCHI, ISAMU

NERA, HIROSHI

ASSIGNEE-INFORMATION:

NAME

TERUMO CORP

COUNTRY

N/A

APPL-NO: JP08192068

APPL-DATE: July 22, 1996

INT-CL (IPC): A61L029/00

ABSTRACT:

PROBLEM TO BE SOLVED: To provide an extention catheter and its manufacturing method in which flexibility, pressure tightness and expansibility are well-balanced highly and a balloon is installed.

SOLUTION: An original tube is obtained by extrusion molding of a straight chain low-density polyethylene resin for which a metallocene catalyst is used, has a specific gravity of 0.915-0.930g/cm<sup>3</sup> and is a copolymer of ethylene and  $\alpha$ -olefin. Electron beams are applied to the above tube to form a tube by crosslinking to cause a gel rate of 0.75-0.95, and subsequently, a balloon 2 is obtained under specified stretching and forming conditions. By using this balloon, an extension catheter 1 is assembled.

COPYRIGHT: (C)1998,JPO